

Figure 1.

ATGAGTAAAGGAGAAGAACTTTCACTGGAGTGTCCAATTCTGTTGAAT
TAGATGGCGATTTAATGGGCAAAATTCTCTGTCAGTGGAGAGGGTGAAG
5 GTGATGCAACATACGGAAAACCTACCCCTAAATTATTGCACTACTGGAA
GCTACCTGTTCCATGGCCAACACTGTCACTACTTCGCGTATGGTCTCAAT
GCTTGCGAGATAACCAGATCATATGAAACAGCATGACTTTCAAGAGTGC
CATGCCGAAGGTTATGTACAGGAAAGAACTATATTACAAAGATGACGG
GAACTACAAGACACGTGCTGAAGTCAAGTTGAAGGTGATACCCCTGTTAAT
10 AGAATCGAGTAAAAGGTATTGATTAAAGAAGATGGAAACATTCTGGAC
ACAAAATGGAATACAACACTATAACTCACATAATGTATACATCATGGCAGACA
AACCAAAGAATGGAATCAAAGTTAACTTCAAAATTAGACACAAACATTAAAG
ATGGAAGCGTTCAATTAGCAGACCATTATCAACAAAATCTCCAATTGGCGA
TGGCCCTGTCCTTTACCAAGACAACCATTACCTGTCCACACAATCTGCCCTT
15 CCAAAGATCCAACGAAAAGAGAGATCACATGATCCTCTGAGTTGTAAC
AGCTGCTGGATTACACATGGCATGGATGAACTATACAAATAA

Figure 2.

ATGTTGAACCAATGGAACCTACCAATGACGCGGTGATTAAAGTCATCGCGC
TCGGCGGCGGCGGCGGTAAATGCTGTTAACACATGGTGCAGCGCATTG
5 AAGGTGTTGAATTCTCGCGTAAATACCGATGCACAAGCGCTGCGTAAAAC
AGCGGTTGGACAGACGATTCAAATCGGTAGCGGTATCACCAAAGGACTGGG
CGCTGGCGCTAATCCAGAAGTTGGCCGAATGCGGCTGATGAGGATCGCGA
TGCATTGCGTGCAGCGCTGGAAGGTGCAGACATGGTCTTATTGCTGCGGT
ATGGGTGGTGGTACCGGTACAGGTGCAGCACCAGTCGTCGCTGAAGTGGCA
10 AAAGATTGGGTATCCTGACCGTTGCTGTCGTCACTAACGCCTTCAACTTGA
AGGCAAGAAGCGTATGGCATTGCGGAGCAGGGGATCACTGAACGTCCAA
GCATGTGAACCTCTGATCACTATCCGAACGACAAACTGCTGAAAGTTCTG
GGCCGCGGTATCTCCCTGCTGGATGCGTTGGCGCAGCGAACGATGTACTGA
AAGGCCTGTGCAAGGTATCGCTGAACGTGATTACTCGTCCGGGTTGATGAA
15 CGTGGACTTGCAGACGTACGCACCGTAATGTCTGAGATGGGCCACGCAATG
ATGGGTTCTGGCGTGGCGAGCGGTGAAGACCGTGCAGAAGAGCTGCTGAA
ATGGCTATCTCTCCGCTGCTGGAAGATATGACCTGTCTGGCGCGCG
GCGTGTGGTTAACATCACGGCGGGCTCGACCTGCGTCTGGATGAGTCGA
AACGGTAGGTAACACCATCCGTGCATTGCTTCCGACAACCGACTGTGGTT
20 ATCGGTACTTCTCTGACCCGGATATGAATGACGAGCTGCGCTAACCGTTG
TTGCGACAGGTATCGGCATGGACAAACGTCCTGAAATCACTCTGGTACCAA
TAAGCAGGTTCAGCAGCCAGTGATGGATCGCTACCAGCAGCATGGATGGC
TCCGCTGACCCAAGAGCAGAAGCCGGTTGCTAAAGTCGTGAATGACAATGC
GCCGCAAACGTGCGAAAGAGCCGGATTATCTGGATATCCCAGCATTGCGT
25 AAGCAAGCTGATTAA

Figure 3.

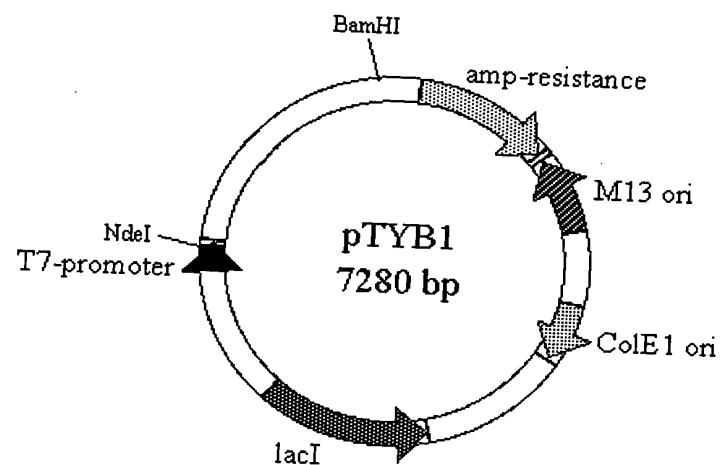


Figure 4.

CGGTTAACCGGGATCTGATCCCGCAATTAATACGACTCACTATAG
← vector T7-promoter

5

GGGAATTGTGAGCGGATAACAAATTCCCCCTCTAGAAATAATTGTTAACTTT

AAGAAGGAGATATACATATG** ← ftsZ gene → **GATCTAGAAGTACTATTCAA****
RBS NdeI-site/ start linker-sequence (Leu-Glu-Val-Leu-)

10

GAAGCTGAGTTGGCTGCTGCCACCGTGGAGCAATAACTAGCATACCCCTT

15

GGGGCCTCTAACGGTCTTGAGGGGTTTGCTGAAAGGAGGACTAT
T7 transcription terminator vector →

Figure 5.

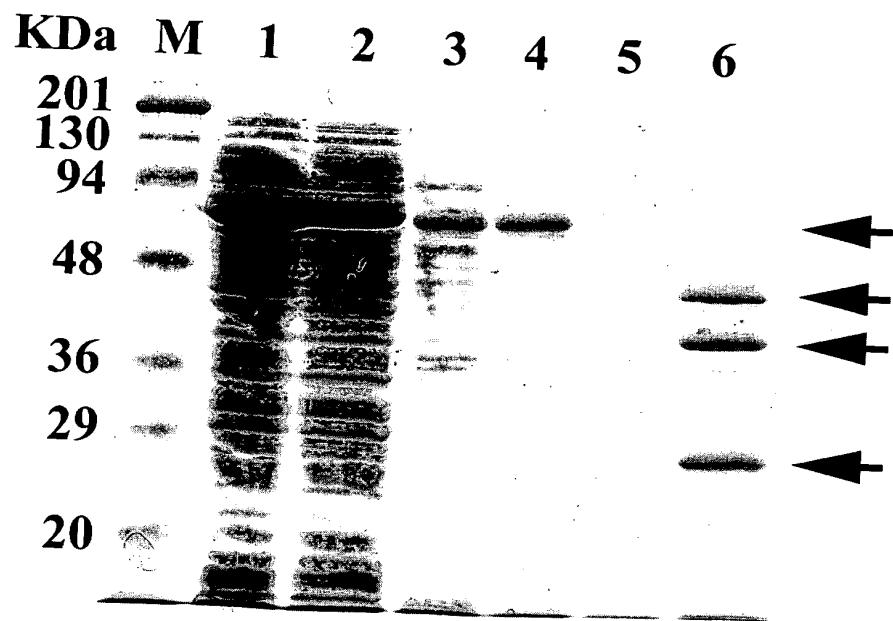


Figure 6.

GGACCAAACACAGAATTGCACTATCCCTGTTAAGGAAAAACATAATGACT
ATAACAAACCTCAAAGGGAGAGTTCACAGGGTTAGGCATACATGATCGTGTCT
5 GTGTGATAACCCACACACCGCACAGCCTGGTATGATGTACTAGTGAATGGTCA
GAAAATTAGAGTTAAGGATAAGTACAAATTAGTAGATCCAGAGAACATTAA
TCTAGAGCTTACAGTGGTACTTAGATAGAAATGAAAAATTAGAGATATC
AGGGGATTTATATCAGAAGATCTAGAAGGTGTGGATGCCACTTGGTAGTAC
ATTCAAATAACTTACCAACACTATCTTAGAAGTTGGCCCTGTAACAATGGC
10 AGGACTTATTAATTGAGTAGCACCCCCACTAACAGAATGATTGTTATGAT
TATGCAACAAAAACTGGGCAGTGTGGAGGTGTGCTGTGCTACTGGTAAG
ATCTTGTTGATTGTTGGCGGTAAATGGAAGACAAGGATTTAGCTCAAC
TTAAAAAAACAATATTTGTAGAGAAACAA

Figure 7.

Figure 8.

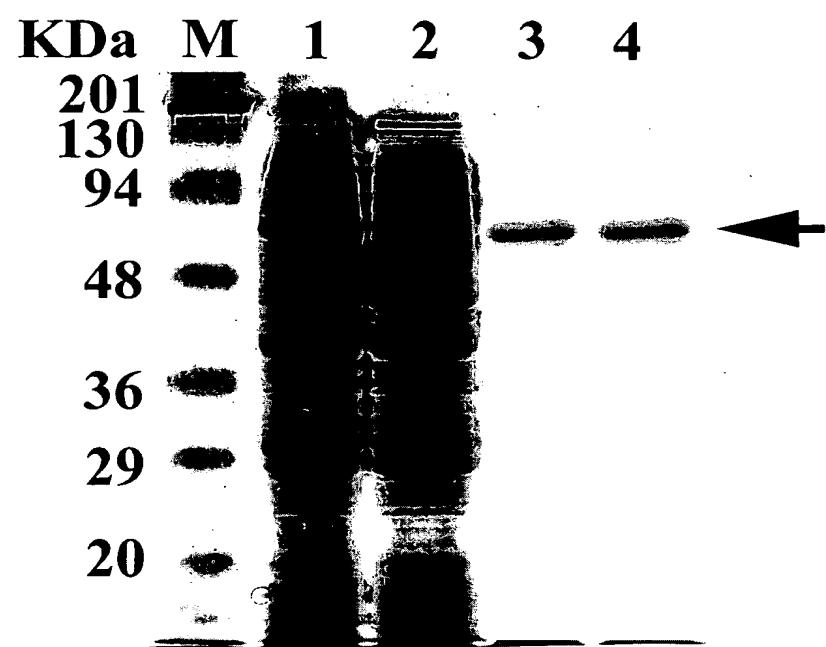


Figure 9.

